iads
Air Warrior
E Pluribus Unum

ORIGIN OF ERRORS

Files Received from Original Contractor began with the following:

<!DOCTYPE gim SYSTEM "C:\Program Files\Adobe\FrameMaker+SGML6.0\sgml\docbook\app\dtd" [

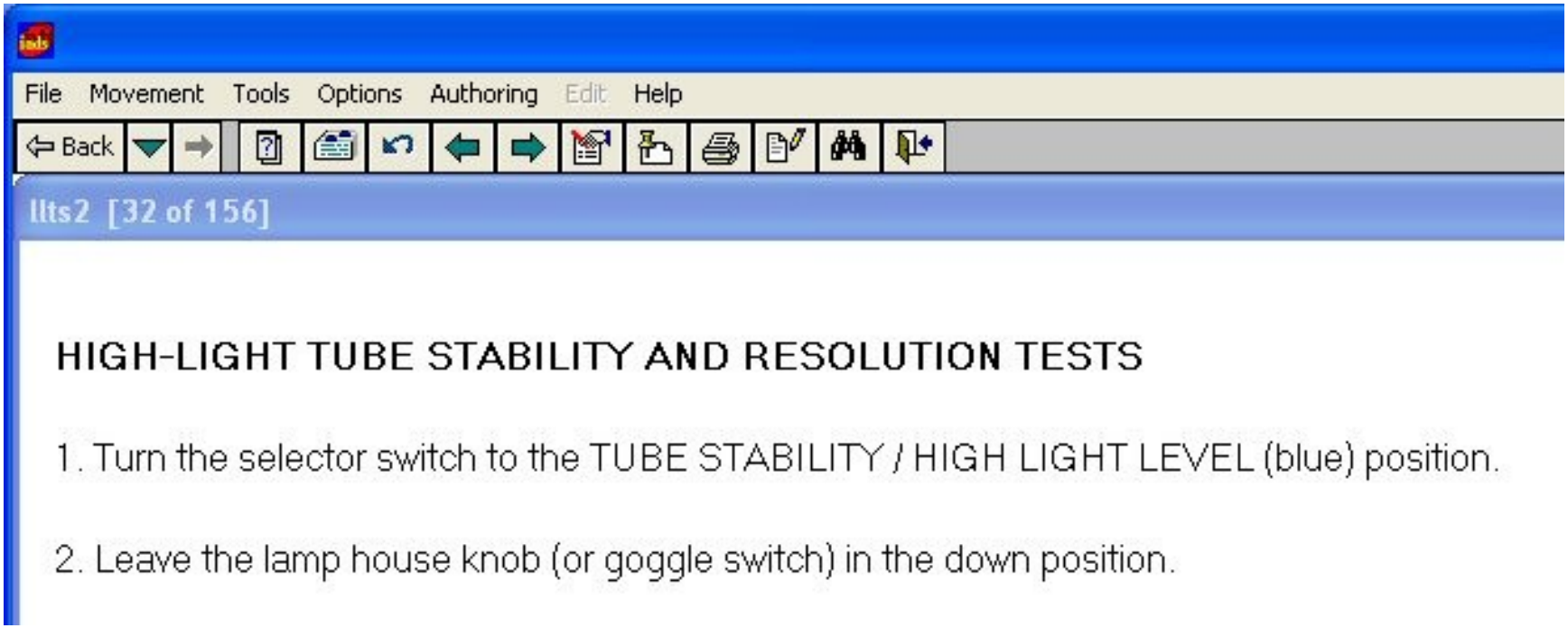
<!-- Begin Document Specific Declarations -->

<?Fm: Validation Off>

There were no parsing sections. Not one!

NO CLUE

No file title, No frame title, no illustration in left pane.


File Movement Tools Options Authoring Edit Help
Back
llts2 [32 of 156]
HIGH-LIGHT TUBE STABILITY AND RESOLUTION TESTS
1. Turn the selector switch to the TUBE STABILITY / HIGH LIGHT LEVEL (blue) position.
2. Leave the lamp house knob (or goggle switch) in the down position.

ROAD MAP TO PIECE

TM 1-1680-377-13&P - Air Warrior - HGU-56/P Helmet System
File Movement Tools Options Authoring Edit Help
Back
MAINTENANCE INSTRUCTIONS

This plainly tells the user the TM number, the system, the item and section.

IT'S A <SETUP-ITEM>

This task covers: MOUNTING, LOWSTABILITY AND RESOLUTION TESTSBILITY TESTS, HIGH-LIGHT TUBE

INITIAL SETUP:

Test Facility

Tools

Equipment

Materials/Parts

Dark room	Flashlight	Test Set, Electronic Systems, TS-4348/UV	Lens paper, NNN-P-40
	ANVIS-compatible flashlight filter	Alcohol dispenser	Cotton-tipped applicators
			Isopropyl alcohol

NOT UPSET, SETUP

INITIAL SETUP

Tools and Special Tools

	NSN	PART NO.	REF	QTY
Punch, Center, Solid	5120-00-293-3509	GGG-P-831	Item 31	1
File, Hand	5110-00-234-6551	GGG-F-325	Item 25	1
Screwdriver, Cross-tip (GGG-S-121 TY6CL1)	5120-00-240-8716	GGG-S-121	Item 28	1
Screwdriver, Cross-tip (GGG-S-121 TY1CL5)	5120-00-278-1283	GGG-S-121	Item 27	1
Rule, Steel, Machinist's (430C)	5120-00-180-9656	430C	Item 26	1
Drill, Electric (SP6039)	5130-00-935-7354	SP6039	Item 9	1
Materials/Parts				
Hardware, Mech. Kit	5340-01-391-2582	1680-ALSE-239-1		1
Personnel Required				
ALSE Specialist or Personnel with ASI of Q2/H2 (ALSE Qualified)				1
Operator/Wearer				1

40051A MAC

Description Remarks Ref			
01	Primary Survival Gear Carrier		
0101	Integrated Extraction/Restraint Harness	inspect	.02
		replace	.25
0102	Removable Extended Equipment Pouch (REEP)	inspect	.01
		repair	.37
		replace	0.5

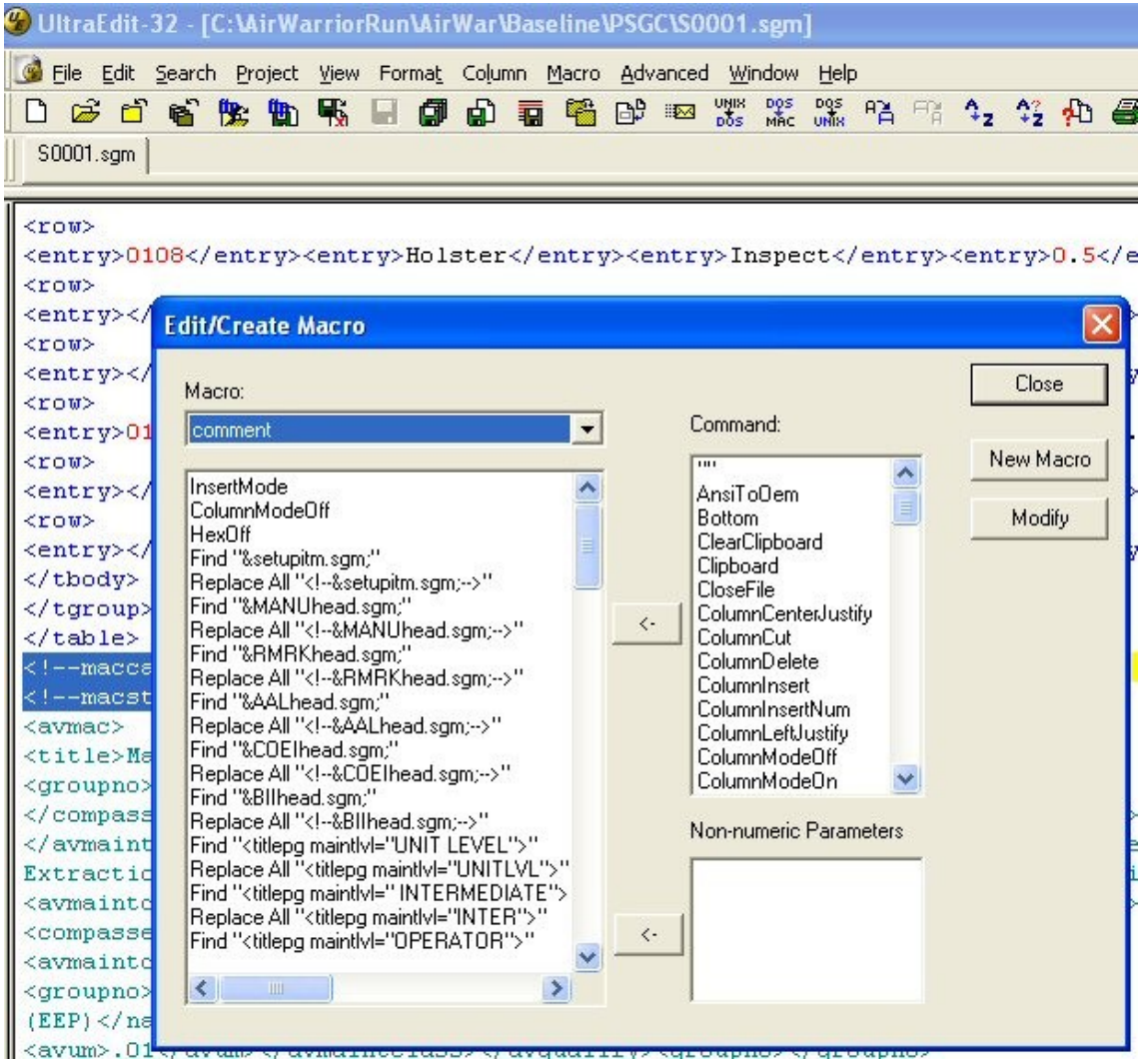
CALS MAC

Maintenance Allocation Chart for the PSGC

Group Number	Component Assembly	Maint. Func.	Maintenance Category			Tools and Equipment	Remarks
			Avum	Avim	Depot		
01	Primary Survival Gear Carrier	Inspect					
0101	Integrated Extraction/Restraint Harness	Inspect	.02				
		Replace	.25				
0102	Extended Equipment Pouch (EEP)	Inspect	.01				
		Repair	.37				
		Replace	0.5				
010201	EEP Upper Pocket	Inspect	.01				

CALS table MAC Chart allows for hotspots ANYWHERE, for explanations of
Headers, links to illustrations, and multiple links to tools and remarks.
Considering the enhanced functionality, to CALS or not to CALS is hardly a question at all.

ULTRAEDIT MACROS



PARSABLE TO READABLE

FILE VIEWABLE TO FILE PARSING

- Find "&setupitm.sgm;"
- Replace All "<!--&setupitm.sgm;-->"
- Find "&MANUhead.sgm;"
- Replace All "<!--&MANUhead.sgm;-->"
- Find "<titlepg maintlvl="UNIT LEVEL">"
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- Replace All "MIM PUBLIC "-//USA-DOD//DTD MIL-STD-2361 TM Assembly REV 1.1 20000515//EN" ["
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- Find "<!--explistcalsend-->"
- Replace All "explistcalsend-->"
- Find "<!--explistandardbegin"
- Replace All "<!--explistandardbegin-->"
- Find "explistandardend-->"
- Replace All "<!--explistandardend-->"

SWAP SHOP

MAC STANDARD TO MAC CALS

- Find "<avmac>"
- Replace All "<table colsep="1" rowsep="1">"
- Find "&MAChead.sgm;"
- Replace All "<tgroup cols="8">^p<colspec colname="col1" colwidth=".5*">^p<colspec colname="col2" colwidth=".5*">^p<colspec colname="col3" colwidth=".5*">^p<colspec colname="col4" align="center" colwidth=".3*">^p<colspec colname="col5" align="center" colwidth=".3*">^p<colspec colname="col6" align="center" colwidth=".3*">^p<colspec colname="col7"><colspec colname="col8" align="center" colwidth=".5*">^p<spanspec namest="col4" nameend="col6" spanname="4thru6">^p<thead>^p<row><entry>Group Number</entry><entry>Component Assembly</entry><entry>Maint. Func.</entry><entry spanname="4thru6" align="center">Maintenance Category</entry><entry>Tools and Equipment</entry><entry>Remarks</entry></row>^p<row><entry></entry><entry></entry><entry></entry><entry>Avum</entry><entry>Avim</entry><entry>Depot</entry><entry></entry><entry></entry></row>^p</thead>^p<tbody>^p"
- Find "<groupno>"
- Replace All "<row><entry>"
- Find "</groupno>"
- Replace All "</entry>"
- Find "<compassem><name>"
- Replace All "<entry>"
- Find "<compassem>^p<name>"
- Replace All "<entry>"
- Find "</name></compassem>"
- Replace All "</entry>"
- Find "</name>^p</compassem>"
- Replace All "</entry>"
- Find "<avqualify>"
- Replace All ""

ANY COMMENTS?

<!--maccalsbegin-->

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<row><entry></entry><entry></entry><entry>Replace</entry><entry>.25</entry><entry></entry><entry></entry><entry></entry><entry></entry></row>

<!--maccalsend-->

<!--macstandardbegin

<avmac>

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<groupno>01</groupno><compassem><name>Primary Survival Gear Carrier</name></compassem><avqualify><maintfunc func="inspect"><avmaintclass><avum></avum>

macstandardend-->

TAKE SMALL BYTES

TOC.SGM

GIM.SGM

OPIM.SGM

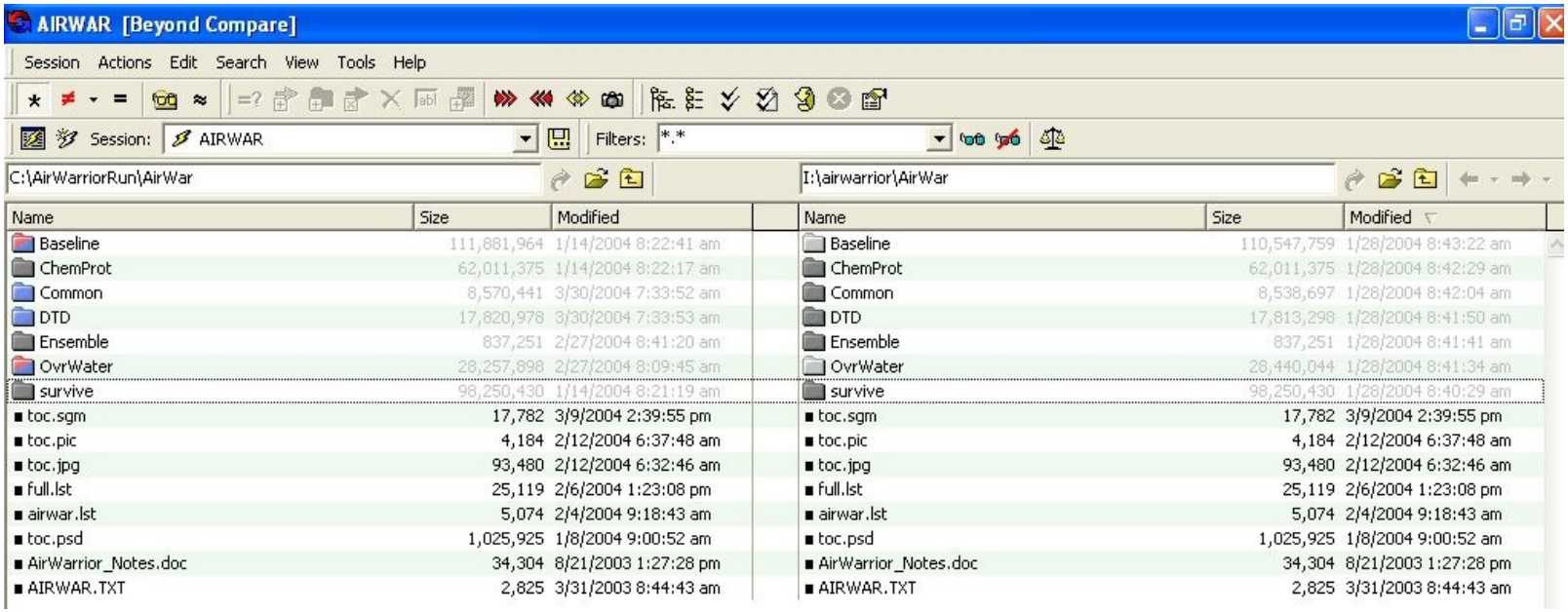
TIM.SGM

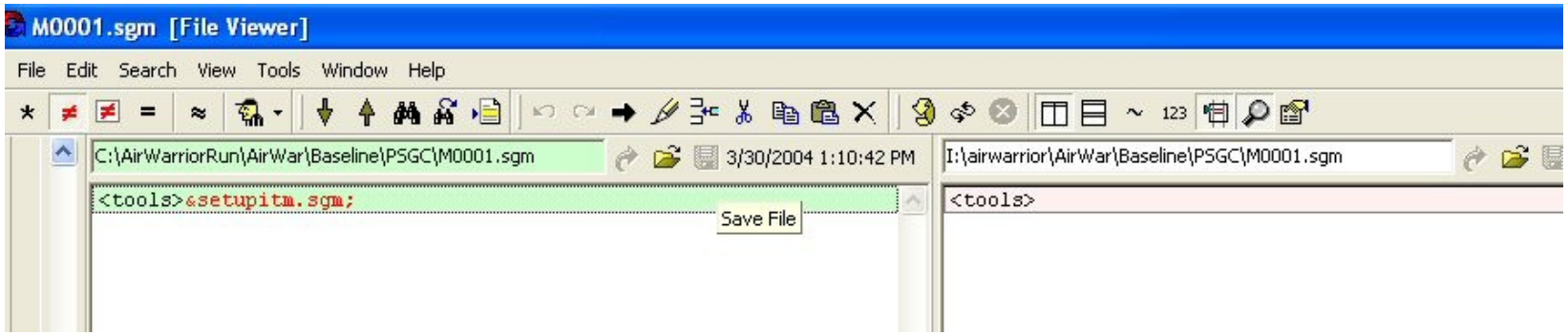
MIM.SGM

SIM.SGM

CATALOG

BEYOND COMPARE





PDF TO IADS

- Open blank file in Epic
- Select the appropriate tags
- Open PDF in Acrobat, then copy-and-paste text into Epic.
- Illustrations copied and saved using Photoshop.
- Frames, hotspots, and other processing instructions added using UltraEdit.

SAME OLD THING

40051A USES REPETITIVE SETS OF TAGS AND DATA THAT CAN BE PUT IN ENTITIES FOR EASIER DATA MAINTENANCE AND ENTRY.

<eicnomen><sysnomen>
<name>Primary Survival Gear Carrier (PSGC)</name><nsn>8415-01-513-8143</nsn>
<partno>1005804</partno><eic>N/A</eic>
</sysnomen></eicnomen>

Is in the IETM as &eic.sgm;

CONSISTENCY

- Choose a pattern and stay with it throughout. Automating corrections is far more difficult if mistakes are made in a dozen different configurations
- Entities and IDs are far easier to follow if they are consistent. Simple things like “tool56” and “expend47” make adding, tracking, and correcting hotspots easier.
- There’s nothing wrong with a long ID if it helps to maintain the SGML.
- Avoid accidentally repeating SGML IDs in frame tags by adding “frm_” or “f_” to the frame IDs.

COMPLETED

- 8 existing manuals converted
- 12 new items/manuals documented
- 16 RPSTLs built
- Several manuals coexist with paper and replace only the PDF version.